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Notice of Allowability	Application No.	Applicant(s)	
	09/437,169	RUSTAD, MARK D.	
	Examiner	Art Unit	
	Justin I. King	2111	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 5/24/04.
2. ☒ The allowed claim(s) is/are 1-5,8, 11-20, 23-30,34-38,41-46,49,52,55-64,and 67-77.
3. ☒ The drawings filed on 11/10/99 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.


Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|---|--|
| 1. <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 2. <input type="checkbox"/> Notice of Draftperson's Patent Drawing Review (PTO-948) | 6. <input checked="" type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date <u>20040826</u> . |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date _____ | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____ |


XUAN M. THAI
PRIMARY EXAMINER
TC2100

DETAILED ACTION

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

2. Authorization for this examiner's amendment was given in a telephone interview with Thomas Brennan on 8/26/04.

3. The application has been amended as follows:

Claim 30: A data structure in a machine-readable medium for allowing a resource to be shared among a plurality of processors, at least one processor of the plurality of processors including a fast memory, the data structure is a class, comprising:

a state for indicating that the resource is under control;

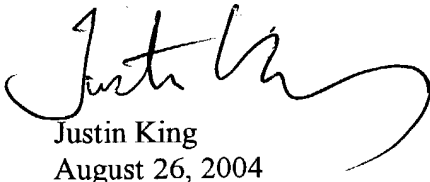
a first identifier for identifying a past processor that had exclusive control of the resource; and

a second identifier for identifying a present processor that has exclusive control of the resource;

means for comparing the first identifier to the second identifier; and

means for resetting at least a portion of the fast memory of the present processor when the first identifier does not match the second identifier.

Claim 31: Cancelled.


Justin King
August 26, 2004

Allowable Subject Matter

4. Claims 1-5, 8, 11-20, 23-31, 34-38, 41-46, 49, 52, 55-64, and 67-77 are allowed.
5. The following is an examiner's statement of reasons for allowance:

Referring to claim 1: The prior arts on record do not disclose or explicitly teach the means for identifying previous owner of the resource, and the means for selective resetting the at least a portion of the memory.

Referring to claims 2-5: Claims are allowable because they incorporate the parent claim's allowable subject matters.

Referring to claim 8: The prior arts on record do not disclose or explicitly teach the means for identifying the consecutive ownership of the resource, and the means for selective resetting the at least a portion of the memory.

Referring to claims 11-19: Claims are allowable because they incorporate the parent claim's allowable subject matters.

Referring to claim 20: The prior arts on record do not disclose or explicitly teach the means for identifying the consecutive exclusive ownership of the resource, and the means for selective resetting the at least a portion of the memory.

Referring to claims 23-29: Claims are allowable because they incorporate the parent claim's allowable subject matters.

Referring to claim 30: The prior arts on record do not disclose or explicitly teach the data structure for identifying the exclusive ownership of the resource, and the means for selective resetting the at least a portion of the memory.

Referring to claims 34-36: Claims are allowable because they incorporate the parent claim's allowable subject matters.

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Referring to claim 37: The prior arts on record do not disclose or explicitly teach the means for identifying the consecutive exclusive ownership of the resource, and the means for selective resetting the at least a portion of the memory.

Referring to claims 38 and 41: Claims are allowable because they incorporate the parent claim's allowable subject matters.

Referring to claims 42-43: The prior arts on record do not disclose or explicitly teach the means for identifying the consecutive exclusive ownership of the resource, and the means for selective resetting the at least a portion of the memory.

Referring to claims 44-46: Claims are allowable because they incorporate the parent claim's allowable subject matters.

Referring to claim 49: The prior arts on record do not disclose or explicitly teach the means for identifying the consecutive ownership of the resource, and the means for selective resetting the at least a portion of the memory.

Referring to claim 52: The prior arts on record do not disclose or explicitly teach the means for identifying the consecutive ownership of the resource, and the means for selective resetting the at least a portion of the memory.

Referring to claims 55-63: Claims are allowable because they incorporate the parent claim's allowable subject matters.

Referring to claim 64: The prior arts on record do not disclose or explicitly teach the means for identifying the consecutive ownership of the resource, and the means for selective resetting the at least a portion of the memory.

Referring to claims 67-73: Claims are allowable because they incorporate the parent claim's allowable subject matters.

Referring to claim 74: The prior arts on record do not disclose or explicitly teach the means for identifying the consecutive ownership of the resource, and the means for selective resetting the at least a portion of the memory.

Referring to claims 75-77: Claims are allowable because they incorporate the parent claim's allowable subject matters.

6. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

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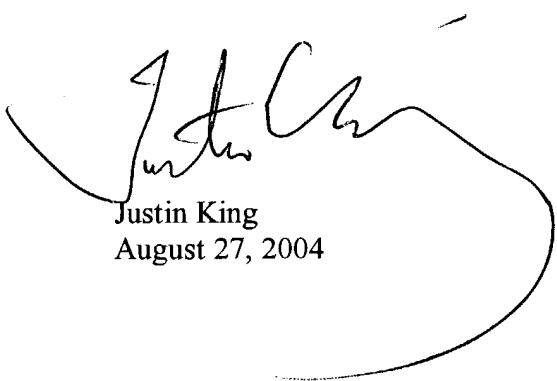
Conclusion

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Justin I. King whose telephone number is 703-305-4571.


The examiner can normally be reached on Monday through Friday, 9:00 am to 5:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mark Rinehart can be reached on 703-308-3110. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Justin King
August 27, 2004



XUAN M. THAI
PRIMARY EXAMINER

TC2100